

FIG.1

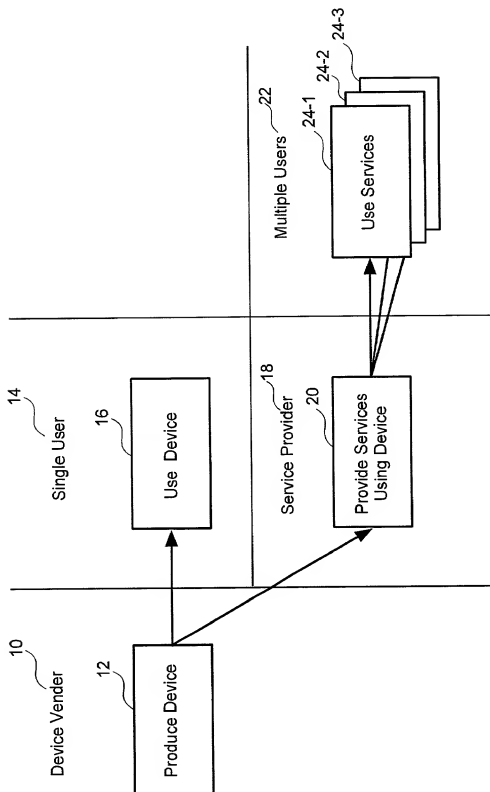


FIG.2

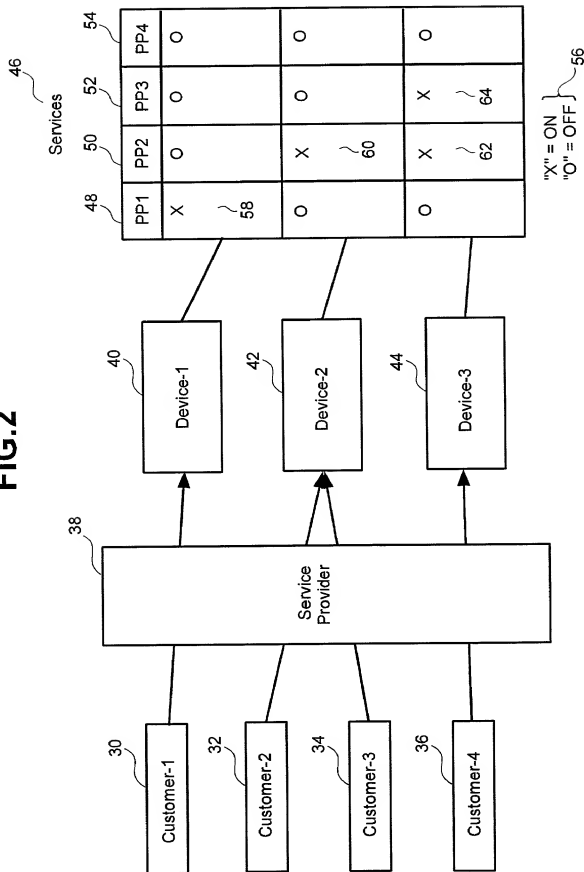
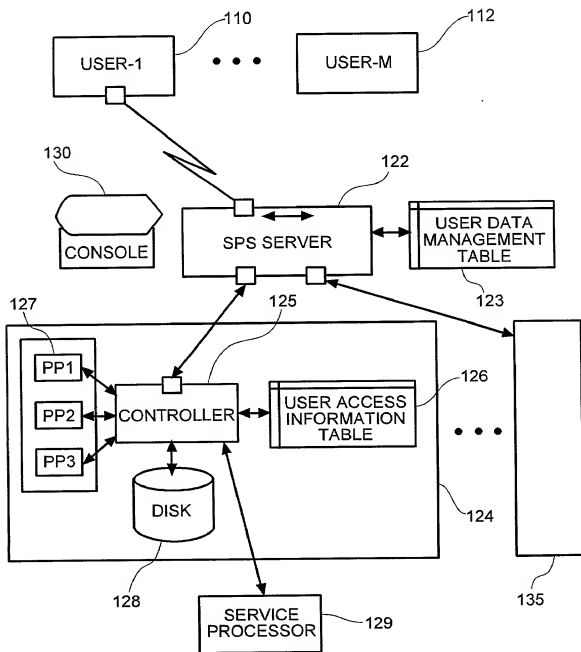


FIG.3

SERVICE PROVIDER SYSTEM ARCHITECTURE



1012290.059886C

FIG.4

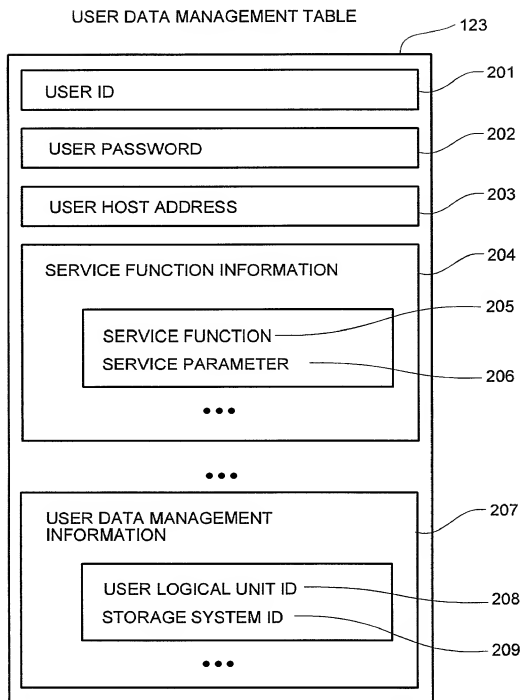


FIG.5

| | 201 | 204-1 | | | | 204-2 | | 204-3 | | 204-4 | | 207-1 | | 207-2 | | 207-3 | |
|-------|-----|-------|-----|-----|-----|-------|----|-------|----|-------|--|-------|--|-------|--|-------|--|
| | | USER | PP1 | PP2 | PP3 | PP4 | D1 | D2 | D3 | | | | | | | | |
| 201-A | 220 | A | O | X | X | O | X | O | X | | | | | | | 222 | |
| 201-B | | B | O | O | X | O | X | O | O | | | | | | | | |
| 201-C | | C | X | O | O | O | O | O | X | | | | | | | 223 | |
| 201-D | 224 | D | X | X | O | O | O | X | O | | | | | | | | |
| 201-E | | E | X | X | X | O | O | X | O | | | | | | | | |
| 201-F | | F | X | X | O | O | O | X | O | | | | | | | | |
| 201-G | 226 | G | X | O | X | O | X | O | O | | | | | | | | |
| 201-H | | H | X | O | O | O | X | O | O | | | | | | | | |

"X" = ON
 "O" = OFF

FIG.6

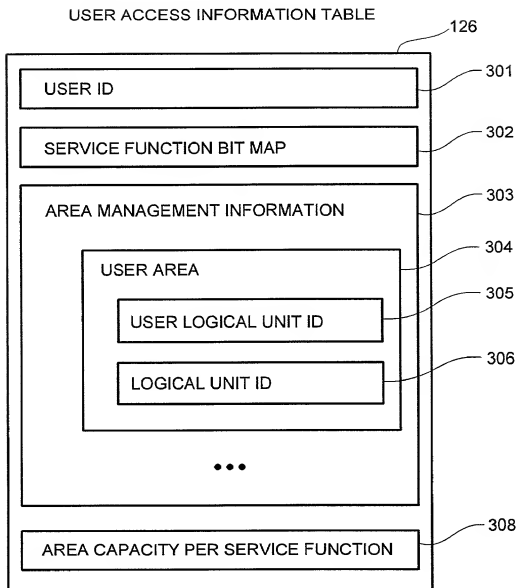


FIG. 7

| 301 USER | 302-1 PP1 | 302-2 PP2 | 302-3 PP3 | 302-4 PP4 | 303 Mgmt.Info |
|-------------------|--------------|--------------|--------------|--------------|------------------|
| A | O | X | X | O | |
| B | O | O | X | O | |
| G | X | O | X | O | |
| H | X | O | O | O | |
| TOTAL CAPACITY | 80M | 130M | 60M | | |

318

320

322

324

326

FIG. 8

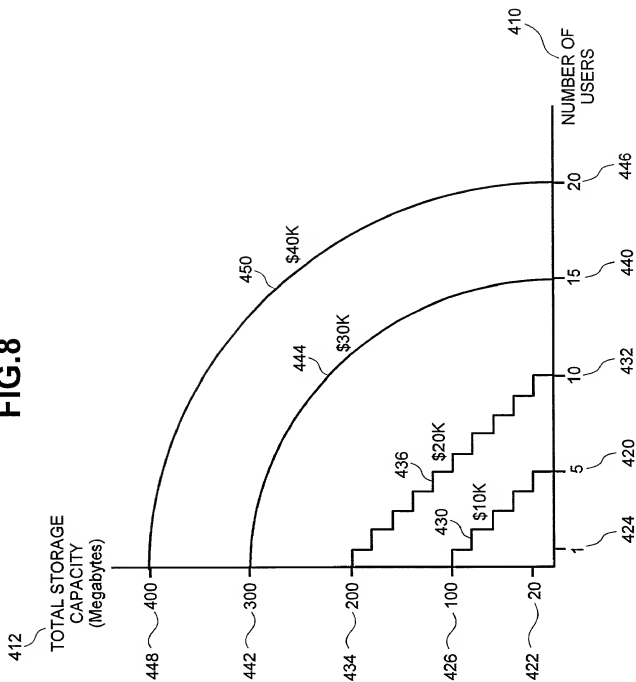
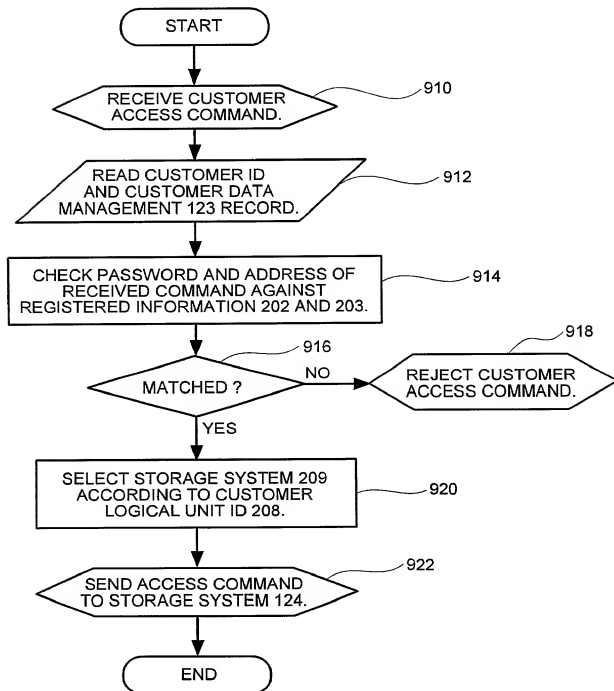


FIG.9

**SERVICE PROVIDER SERVER OPERATION IN RESPONSE
TO RECEIVED CUSTOMER ACCESS COMMAND**



2025-05-29 10:22:00

FIG.10

**SERVICE PROVIDER SERVER OPERATION IN RESPONSE
TO RECEIVED CUSTOMER SERVICE COMMAND**

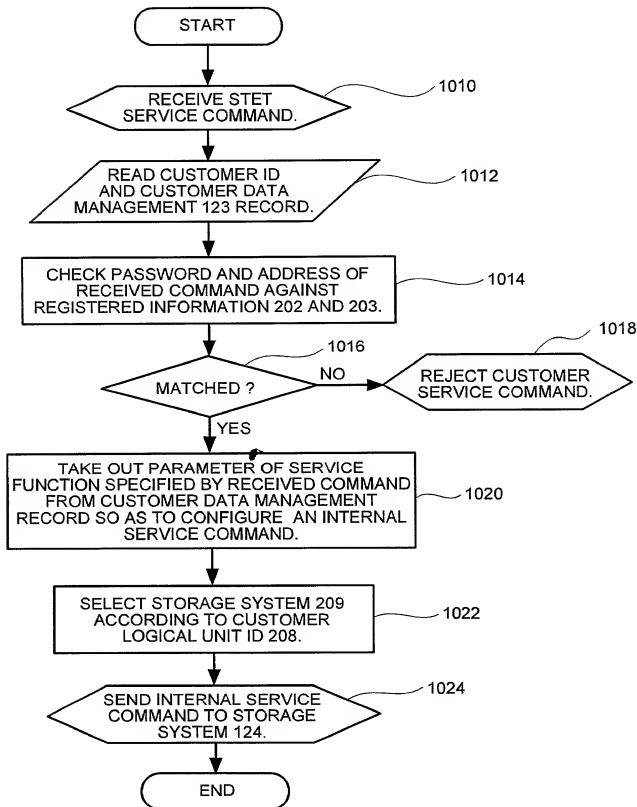


FIG.11

**STORAGE CONTROLLER OPERATION IN RESPONSE
TO RECEIVED SERVICE COMMAND**

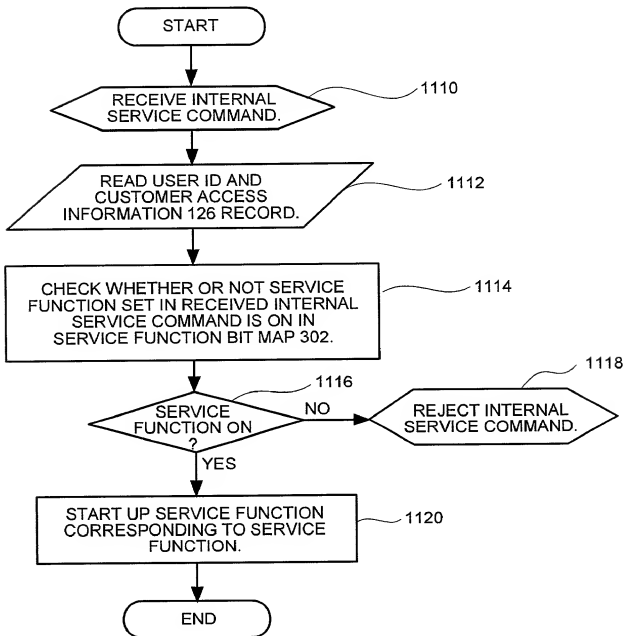


FIG.12

NEW DATA AREA RESERVATION PROCESSING

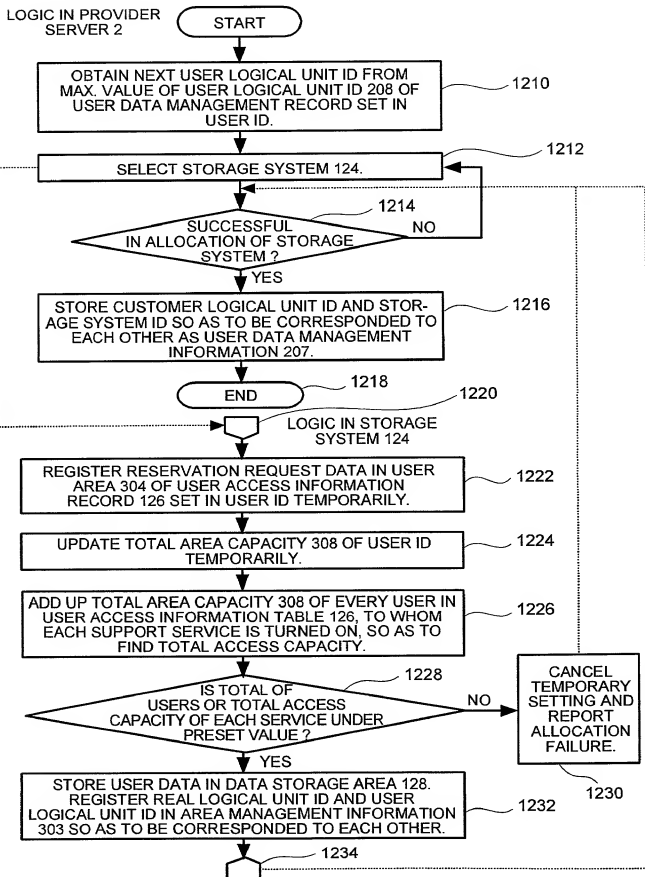


FIG. 13

NEW SERVICE SUPPORTING REGISTRATION PROCESSING

